Performance Data Sheet

VSCF515ZXT

General Information

Model	VSCF515ZXT	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	12900	12100	11300	10500	9540	8540	7440
	Watts	2680	2830	3020	3240	3520	3850	4260
	Amps	10.8	11.0	11.3	11.8	12.6	13.9	15.7
	Lb/h	200	196	194	193	193	193	194
-35	Btu/h	14700	13900	12900	12000	11000	9840	8620
	Watts	2800	2960	3150	3370	3630	3950	4340
	Amps	11.2	11.5	11.7	12.2	12.9	14.0	15.8
	Lb/h	226	223	221	220	220	220	221
-30	Btu/h	16800	15800	14800	13700	12500	11200	9880
	Watts	2930	3100	3290	3500	3770	4080	4460
	Amps	11.6	11.8	12.1	12.5	13.1	14.2	15.8
	Lb/h	256	253	252	251	251	251	251
-25	Btu/h	19100	17900	16700	15500	14200	12800	11200
	Watts	3070	3240	3440	3660	3920	4220	4590
	Amps	11.9	12.1	12.4	12.7	13.3	14.3	15.9
	Lb/h	290	288	287	286	286	285	284
-20	Btu/h	21700	20300	19000	17500	16000	14400	12700
	Watts	3200	3390	3590	3820	4080	4390	4750
	Amps	12.1	12.4	12.7	13.0	13.6	14.5	16.0
	Lb/h	330	328	327	326	325	323	321
-15	Btu/h	24500	23000	21400	19800	18000	16200	14300
	Watts	3320	3530	3750	3980	4250	4560	4930
	Amps	12.4	12.7	12.9	13.3	13.8	14.7	16.1
	Lb/h	374	373	371	370	368	366	362
-10	Btu/h	27600	25800	24000	22200	20200	18200	16000
	Watts	3440	3670	3900	4150	4430	4750	5120
	Amps	12.6	12.9	13.2	13.5	14.1	14.9	16.2
	Lb/h	424	422	420	418	416	412	407
-5	Btu/h	31000	29000	27000	24900	22700	20300	17900
	Watts	3540	3790	4050	4320	4620	4940	5320
	Amps	12.8	13.2	13.5	13.9	14.4	15.2	16.5
	Lb/h	479	477	474	472	468	463	456

0	Btu/h	34700	32500	30100	27800	25300	22700	20000
	Watts	3630	3910	4200	4490	4800	5140	5520
	Amps	13.0	13.5	13.9	14.2	14.7	15.5	16.8
	Lb/h	540	537	534	530	525	518	510
5	Btu/h	38800	36200	33600	30900	28100	25300	22200
	Watts	3700	4020	4330	4650	4980	5340	5740
	Amps	13.2	13.8	14.2	14.6	15.2	16.0	17.2
	Lb/h	606	603	599	593	587	579	568
10	Btu/h	43200	40300	37400	34400	31300	28000	24700
	Watts	3750	4100	4450	4790	5150	5540	5950
	Amps	13.5	14.2	14.7	15.1	15.7	16.5	17.7
	Lb/h	679	674	669	662	654	644	631

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.350021E+04	2.056652E+01	-1.337544E+01	5.864812E+02
C2	1.204762E+03	-6.145812E+01	-2.323867E-01	1.184662E+01
C3	-2.658527E+02	7.252977E+01	7.498838E-01	-1.247592E+00
C4	1.053453E+01	-9.739640E-01	-1.307417E-03	1.479379E-01
C5	-5.048920E+00	1.271181E+00	5.227436E-03	3.195096E-02
C6	6.613848E-01	-4.840897E-01	-7.168625E-03	1.272280E-02
C7	2.074375E-02	-4.297669E-03	1.771357E-05	2.485480E-04
C8	-4.849256E-02	7.592882E-03	2.213100E-05	-4.020889E-04
C9	-3.467325E-03	-3.791964E-03	-2.196199E-05	-2.628599E-04
C10	-3.379188E-03	1.763259E-03	2.392948E-05	-5.507848E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature